

Receiving Report

Date: 12/05/23
 Supplier: Thyssenkr

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr

Batch No: M21836
 Dart P/O: 16995

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No N/A
 Shipment Complete: Yes No N/A
 QC6 Inspection OK 12/05/23 N/A
 Work Order OK 12/05/23 N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>M2004730.000</u>		<u>144</u>	<u>0</u>	<u>0</u>	<u>144</u>	
<u>M304516GS</u>		<u>128</u>	<u>0</u>	<u>0</u>	<u>128</u>	
<u>M304522GS</u>		<u>128</u>	<u>0</u>	<u>0</u>	<u>128</u>	

Initials of receiver (if shipment OK) Level 12 OK

Production/Admin:

Date _____

Received/Costing:

Initial _____

Location _____

Purchase Order Receipt Listing

Wednesday, May 23, 2012 10:37:20 AM

All amounts are calculated in domestic currency

All Vendors PO ID PO16995 Receipt Dates from 5/23/20
All Item ID/GL/WOS All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/	Line Nbr/	Project ID	Reference/ Description/	PO U/M/ Stock U/M	Required Date	Recv Date/	Recv Qty	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty	MRB Qty/	Book Amt
Order ID/	Line Nbr/	Project ID	Description/	Stock U/M	Required Qty	Recv Emp	(PO U/M)	PO U/M	Rejected Qty (PO U/M)	MRB Reject	Qty
Cur Type	Req										
PO16995	2	CAD	No	M6061T6B0 250X02. f	5/23/2012	5/23/2012	12.0000	\$2.11	0.0000	0	\$25.30
				000				\$25.30	0.0000	0	
				6061-T6 Bar .250 X f							
				2.00							
				121836							
				M6061T6B0 250X06. f	5/23/2012	5/23/2012	12.0000	\$33.75	0.0000	0	\$44.94
				000				\$44.94	0.0000	0	
				6061-T6 Bar .250 X f							
				6.00							
				121836							
				M6061T6B0 375X01. f	5/23/2012	5/23/2012	36.0000	\$0.94	0.0000	0	\$34.01
				000				\$34.01	0.0000	0	
				6061T6 BAR .375 X f							
				1.00							
				121836							
				M6061T6B0 500X10. f	5/23/2012	5/23/2012	24.0000	\$12.13	0.0000	0	\$292.24
				000				\$292.24	0.0000	0	
				6061-T6 Bar .500 X f							
				10.00							
				121836							
				M6061T6B0 750X00. f	5/23/2012	5/23/2012	24.0000	\$1.42	0.0000	0	\$34.01
				750				\$34.01	0.0000	0	
				121836							
				6061-T6 Bar .750 X f							
				750							
				121836							
				M6061T6B1.000X04. f	5/23/2012	5/23/2012	2.0000	\$9.53	0.0000	0	\$114.42
				000				\$114.42	0.0000	0	
				6061-T6 Bar 1.00 X f							
				4.00							
				121836							
				M6061T6B1.000X04. f							
				12.0000	D\SJ02						

B I L L O F L A D I N G

No: PEC 768051

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 18May12 at 12:22 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-451877- 6 Your PO # 16995

ALUMINUM FLAT BAR 6061-T6511
 1.00" x 4.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z00217036	68356	12 FT	1	56

MTR

Wt LBS
56

7) Our Order PEC-451877- 7 Your PO # 16995

ALUMINUM ROUND BAR 6061-T6511
 3.00" DIA X 96.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z00067065	68473	8 FT	1	67

MTR

Wt LBS
67

8) Our Order PEC-451877- 8 Your PO # 16995

STAINLESS STEEL SHEET 304-2B

.0600 Nom X 48.0000" X 96.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
300212	68103	128.00 SFT	4	321

BQ

MTR

Wt LBS
321

9) Our Order PEC-451877- 9 Your PO # 16995

STAINLESS STEEL SHEET 304-2B

.0300 Nom X 48.0000" X 120.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
YU161154	68104	160.00 SFT	4	200

BQ

MTR

Wt LBS
200

Tags	PCS	LBS
TOTAL: 9	19	849

Heat Number

16276

201204762

2BQ819

300212

65016 079

YU161154

*** Chemical Analysis ***

10/05/12

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

23 MAI 2012

DATE

B I L L O F L A D I N G

No: PEC 768051

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 18May12 at 12:22 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

Z00067065
 Z00217036

ADD ON TO 451875 SUR-CHARGE PAID

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 1 BDL, 1 PKG, 1 SKID G.W. 953 LBS

ITEMS (1 TO 6) BDL

ITEM (7) PKG

ITEMS (8,9) SKID

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.*** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
 MERCHANTISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

23 MAI 2012

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511

.250" X 2.00" X 144.0000" PART NO.

EXTRUDEX

ALUMINUM

TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

Signed by: _____

Certificate of Mill Test Results

BL PEC-768051-001

18May12
Pg 1/1

PO/Rel 16295
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

MILL TEST REPORT

BILL TO
THYSSENKRUPP MATERIALS, NA
SHIP TO
THYSSENKRUPP MATERIALS, NA
SO DESCRIPTION
250"X2" FB

CERT CODE:
1
CUSTOMER PO
PEC-237301
CUSTOMER PART NUMBER
1-250-2000

DATE NUMBER
2226
ALLOY
6061
TEMPER
T6511
SALESMAN
FORBES DODWELL

EXTRUDEX ORDER NO.
143141 - 4
PART DESCRIPTION
MADE IN CANADA

MANIFEST NO.
262756
CERTIFICATION
MILL TEST ASTM B221

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Mar/15/12	42.7	38.9	18.50	89.3, 89.4, 89.6	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ge	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11	0.16276	6061	0.56	0.19	0.19	0.06	0.82	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


David Natale
Quality Control Manager


David Natale
Quality Control Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.250" x 6.00" X 144.0000"
PART NO.

PO/Rel 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-002

18May12

Pg 1/1

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

Bethany Yeh

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:					
PEC-238315-2		ALREC00892		.250 X 6.000 PRECISION WIDE BAR					
KAISER ORDER NUMBER:		LINE ITEM:		SHIP DATE:		KAISER LOT NUMBER:	ALLOY:		
618123		002		04/13/2012		65016 079	6061		
WEIGHT SHIPPED:		QUANTITY:		B/L NUMBER:		DIAM/DAF/THKNS:	WIDTH:		
1016.000 LB		48.000 PCS		603156			LENGTH:		
SHIP TO:				SOLD TO:					
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA				THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA					

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUT. .	BEND
65016	C79	0001	0001	49.1	43.7	17.7	RE	95
65016	C79	0001	0002	49.4	43.8	19.1	RE	97
65016	C79	0001	0003	49.5	44.3	18.4	RE	96
65016	C79	0001	0004	49.5	44.4	18.3	RE	96
65016	C79	0001	0005	49.8	44.3	18.3	RE	96

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-2C0/8 UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

210526

Plant Serial: 00039148

Kaiser Order Number: 618123

Line Item: 002

Page 1 of 1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.375" X 1.00" X 144.0000" PART NO.

PO/Rel 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results

BL PEC-768051-003

18May12
Pg 1/1

EXTRUDEX

^ [JMINUM]

MILL TEST REPORT

BILL TO:
THYSSENKRUPP MATERIALS,NA
SHIP TO:
THYSSENKRUPP MATERIALS,NA
SO DESCRIPTION:
.375"X1" FB

Cart Code:
1
CUSTOMER PO:
PEC-237301
CUSTOMER PART NUMBER:
1-375-1000

DATE OF SHIPMENT:
3/20/2012
ALLOY:
6061
TEMPER:
T6511
SALESMAN:
FORBES DODWELL

EXTRUDEX ORDER NO.: 143141 - 7
MANIFEST NO.: 262915
MADE IN CANADA
CERTIFICATION: MILL TEST ASTM B221

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Mar/16/12	42.6	39.1	17.30	88.3,87.9,88.0	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ge	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11	2B0819	6061	0.64	0.16	0.21	0.03	0.88	0.07	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



David Natale
Quality Control Manager

12/26

12/0

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM, FT BAR ECONOLIT 6061-T6511

.500" X 10.00" X 144.500"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report

furnished by the producer of the metal, or data

resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-004

18May12
Pg 1/1

Signed by: _____

SERVICE CENTER METALS

5850 Quality Way
Prince George, VA 23875



CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
147904	2

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	156448	PL0734	4/11/2012	ASTM-B221-08 Stencil/Continuous
Ship To				
ThyssenKrupp Materials NA PEC	PEC-237995	6061-T6511E	SALESPERSON	
Quantity Certified	1,982 lbs	28pcs	David Schroeder	
		PL0734 X 144.5	DESCRIPTION	
		PL .500 x 10.00	SPECIFICATION	AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Mechanical Properties

Test	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201205804	04/01/12	44.9	42.2	14.5

*crf
12/05/12*

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Each	Others	Total	Melted In
0312179	6061	0.70	0.29	0.33	0.09	0.87	0.09	0.04	0.02	0.05	0.15		United States of America

Print Date: 4/11/2012

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

750" X 144.0000"

PART NO.

PO/Ref 16995

Signed by: _____

BL PEC-768051-005
18May12
Pg 1/1

We certify that this is a true copy of the report
furnished by the producer of the metal or data
resulting from tests made in approved labs.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



SERVICE CENTER METALS

5850 Quality Way

Prince George, VA 23875

OUR ORDER NUMBER	ITEM
146731	13

BILL TO	MANIFEST NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	155267	3/27/2012	ASTM-B221-08 Stencil/Continuous
SHIP TO	SALES/PO	SALES PERSON	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-237623	David Schroeder	AMS-QQA-2001B
Quantity Certified	666 lbs	CUSTOMER PART NUMBER	DESCRIPTION
	84 pcs	SCS5 750	SCS5 750
		SO0039	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
03/19/12	45.0	41.9	11.4

On
12/05/26

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Each	Others	Total	Melted In
030423	6061	0.76	0.37	0.32	0.11	0.88	0.10	0.06	0.02	0.05	0.15		United States of America

Print Date: 3/27/2012

Calvin J. Waddins, Director of Quality & Technical Services

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.000"

PART NO.

PO/Ref 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-006

18May12

Pg 1/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

Beth

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
PEC-238315-5		ALREC00750		1.000 X 4.000 SC RECT BAR			
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:	
618123	005		04/13/2012	Z00217036	6061	T6511	
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:	
2032.000 LB	36.000 PCS		603156			12.000 FT	
SHIP TO:				SOLD TO:			
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA				THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUC.	BEND
Z00217036	0001	1	50.6	46.8	17.1	RE	94	N/A
Z00217036	0001	2	51.6	48.3	17.1	RE	91	N/A
Z00217036	0001	3	55.5	52.1	16.3	RE	94	N/A
Z00217036	0001	4	54.7	51.6	14.9	RE	94	N/A
Z00217036	0001	5	52.6	59.5	17.1	RE	94	N/A
Z00217036	0002	1	50.5	47.0	12.9	RE	95	N/A
Z00217036	0002	2	49.0	46.1	11.8	RE	93	N/A
Z00217036	0002	3	51.9	48.6	18.1	RE	91	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.30	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101497	.76	.34	.29	.09	.93	.09	.04	.03	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also conforms to T6-not applicable to other temps)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

*OK
12/05/26*

Plant Serial: 00039151

Kaiser Order Number: 618123

Line Item: 005

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

PART NO.

PO/Ref 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-006

18May12

Pg 2/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS



CERTIFIED TEST REPORT

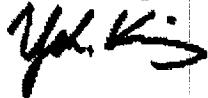
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager


12/05/21

Page 2 of 2

Plant Serial: 00039151
Kaiser Order Number: 618123
Line Item: 005

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

3.00" DIA X 96.0000"

PART NO.

PO/Ref 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-007

18May12

Pg 1/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

Bellamy

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
PEC-238749-8		ALRD00114		KAISERSELECT PRECISION ROD 3.000+/-0.008			
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:	
619057	008		05/01/2012	Z00067065	6061	T6511B	
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:	
2194.000 LB	22.000 PCS		603292			12.000 FT	
SHIP TO:				SOLD TO:			
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA				THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	REND
Z00067065	0001	1	52.8	49.6	15.8	RE	93	N/A
Z00067065	0001	2	49.3	46.1	18.5	RE	93	N/A
Z00067065	0002	1	51.7	49.1	16.1	RE	92	N/A
Z00067065	0002	2	52.9	50.4	17.0	RE	92	N/A
Z00067065	0002	3	53.3	48.5	13.8	RE	94	N/A
Z00067065	0002	4	53.3	50.6	15.4	RE	93	N/A
Z00067065	0003	1	53.5	49.9	17.1	RE	95	N/A
Z00067065	0003	2	53.3	49.6	16.4	RE	94	N/A
Z00067065	0003	3	57.4	55.0	14.1	RE	92	N/A
Z00067065	0003	4	54.4	51.7	13.0	RE	94	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	C.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	C.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101481	.75	.35	.27	.10	.94	.10	.07	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1993 SECT II PER AMS-QQ-A-200/8 UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

Plant Serial: CC041292

Kaiser Order Number: 619057

Line Item: 008

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

3.00" DIA X 96.0000"

PART NO.

PO/Ref 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-007

18May12

Pg 2/2

Signed by: _____

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Page 2 of 2

Plant Serial: 00041292
Kaiser Order Number: 619057
Line Item: C08

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-008

18May12

Pg 1/1

Manufacturer / Fabricante / Hersteller ThyssenKrupp		Type of document / Tipo de documento / Art der Prüfscheinigung INSPECTION CERTIFICATE CERTIFICADO DE INSPECCIÓN ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Durchschriftnummer 0000005480							
ThyssenKrupp Stainless USA				Page / Página / Seite: 1 / 2							
1 ThyssenKrupp Drive, P.O. Box 13000; Calvert, AL 36513-1300		Customer/Client / Cliente / Kundenempfänger Customer's order number / N° de Pedido Cliente / Kundenbestell-Nr. Manufacturer's order no. / N° de Pedido Manufactura / Werkauflagen-Nr. 80134329 / 004 Delivery note no. / N° de Entrega / Lieferantrags-Nr. 85167944 / 010 Product / Producto / Erzeugnis COIL/ROBINA/BAND									
Terms of delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M, ASME SA-240 Sec.II Part A Ed.2010 ASTM A480/A480M, ASME SA-480 Sec.II Part A Ed.2010		Steel grade and quality / Acero / Stahlart und Gütegruppe TYPE 304L/304									
Customer's material no. / N° de material del cliente / Kundenmaterial-Nr.		Product dimensions (Thickness / Width / Length) / Dimensions (Espesor / Ancho / Largo) / Heights des Erzeugnisses (Dicks / Breite / Länge)		Sampling procedure/ Procedimiento de muestreo / Hersteller							
		1.42 mm x 1,219.20 mm 0.0560 inch x 46,0000 Inch		AOO IC / 2B							
Packing-No./ Nº de Empaque/ Packing-Nr.	Net weight/ Peso neta/ Gehalt-Nr.	Actual weight/ Peso actual/ Gehalt-Gewicht	Roll No./ Bobina-Nr./ Rohdienst-Nr.	Barl No./ Cabeza-Nr./ Schraubenset-Nr.	Sample N°/ Nº de muestra/ Prüfteil-Nr.						
6013690	1	10,851 lb / 4,765 kg X	705972	300181	1000019378						
6013693	1	15,115 lb / 6,856 kg X	705314	300000	1000019384						
6013695	1	15,207 lb / 6,886 kg X	705906	300212	1000019374						
Sum / Suma / Summe	3	40,873 lb / 18,540 kg									
Nett / Código / Schwerte	Country of Nett / País de Cálculo / Geschwicht-Länder	Chemical composition / Composición Química / Chemische Zusammensetzung									
300000	ITA	% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N		
		0.030	0.45	1.77	0.031	0.0010	18.13	8.16	0.058		
300181	ITA	0.025	0.30	1.66	0.027	0.0010	18.04	8.00	0.065		
300212	ITA	0.021	0.43	1.71	0.028	0.0010	18.03	8.02	0.065		
Sample Position/ Locación de muestreo/ Prüfstellengeb.	TRANSVERSE										
Inspected N°/ Lote de Inspección/ Prüftyp	Y38.2% PSI / MPa	TS PSI / MPa	EL A2" %		HRB						
1000019374	42,349 / 282	94,706 / 653	58.4		82						
1000019375	37,583 / 259	92,966 / 641	60.6		82						
1000019378	41,470 / 286	91,515 / 631	59.9		81						
1000019379	41,044 / 283	91,850 / 634	57.6		82						
1000019383	42,639 / 284	92,966 / 641	57.2		82						
1000019384	42,204 / 291	92,675 / 639	56.8		82						
Dimensions-Surface / Dimensiones-Superficie / Heile-Oberfläche											
Test of Identity (spectrometry analysis) / Control de Identidad (análisis espectrográfico) / Prüfung der Identität (Spectralanalyse):											
OK											
OK											
No weld repairs											
No intentional additions of Mercury compounds were made or used											
Free of radioactive contamination											
Originals of the document / Originals del documento / Auszüge der Auszeichnung											
ThyssenKrupp Stainless USA, LLC Alejandro Canillo Phone: +1 261 829 3393											
Certificate is generated automatically / Certificado es generado automáticamente / Das Zeugnis wurde elektronisch erstellt											
Name of expert / Nombre del experto / Name des Sachverständigen											
Date of issue and validation Fecha de emisión y validación Datum der Ausstellung und Bestätigung 12/2/2011											

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304 2B X 48.000" X 120.000"

0300 Nom X 48.000" X 120.000"

PART NO.

PO/Ref 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results

BL PEC-768051-009

18May12

Pg 1/1

YIEH MAU CORP.

INVOICE NO. : F10M927-1
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 ASTM A240/A480 and ASME SA240/SA140
CUSTOMER : OLBERT METAL SALES LIMITED

MILL TEST CERTIFICATES

345, SHUN AN RD 11, CHU HSIAO
KAOHSIUNG, TAIWAN, R.O.C.
TEL: +886-6972885 FAX: +886-6973886
CERTIFICATE NO. F10M927-1
DATE OF ISSUE: 10/08/2010

SIZE	No.	Weight (N.W.)	Item No.	ID No.	Physical Properties						Chemical composition							
					Y.S. (Nominal) [kg/mm ²]	T.S. (Nominal) [kg/mm ²]	E.L. [%]	IRP [%]	W.A. [%]	C [%]	Si [%]	Al [%]	P [%]	S [%]	Ni [%]	C [%]	N [%]	
304 2B PI																		
11GA X 48" X 120"	1	1,628	3,589	YU162009	985615670-11	313	654	53	87	179	4.6	52	119	37	3	806	1844	2.7
11GA X 48" X 120"	1	1,628	3,589	YU162009	985615670-12	313	654	53	87	179	4.6	52	119	37	3	806	1844	2.7
16GA X 48" X 96"	1	1,710	3,770	YU162515	985616028B-3	298	624	57	79	152	5.1	46	110	36	3	804	1820	2.7
16GA X 48" X 120"	1	1,685	3,671	YU162159	985629583A-3	292	617	50	79	151	5.1	53	127	33	9	805	1812	2.6
18GA X 48" X 120"	1	1,350	2,970	YU1267404	985614033B-7	295	637	55	85	172	4.6	51	125	36	6	811	1830	2.9
18GA X 48" X 120"	1	1,354	2,944	YU162157	975630363B-1	308	647	54	86	173	4.6	51	125	36	6	811	1830	2.9
20GA X 48" X 120"	1	1,569	3,769	YU257582	965612559B-5	315	672	56	86	175	4.3	44	105	31	5	807	1822	3.4
20GA X 48" X 120"	1	1,533	3,490	YU257582	965612559B-4	315	672	56	86	176	4.3	48	114	37	1	805	1825	3.4
20GA X 60" X 120"	1	1,630	3,594	YU161328	955556597B-2222	292	629	54	84	168	5.1	44	108	37	6	809	1818	2.5
22GA X 48" X 96"	1	1,630	3,594	YU161329	955556597B-2222	292	629	54	84	168	5.1	44	108	37	6	809	1818	2.5
22GA X 48" X 120"	1	1,682	3,642	YU161154	955351883A-2	291	639	55	85	170	4.3	40	122	37	4	806	1818	2.5
24GA X 48" X 120"	1	1,336	2,945	YU257582	955562959B-4	291	639	55	85	170	4.3	49	122	37	4	806	1817	2.3
24GA X 48" X 120"	1	1,336	2,945	YU257582	955562959B-3	291	639	55	85	170	4.3	49	122	37	4	806	1817	2.3
24GA X 48" X 120"	1	1,336	2,945	YU257582	955562959B-2	291	616	54	86	176	4.5	37	144	34	9	804	1821	3.2
30GA NO.4 LASER	1	1,646	3,629	YU161329	955556597B-2222	281	616	54	86	176	4.6	37	144	34	9	804	1821	3.2
11GA X 48" X 96"	1	1,646	3,629	YU161329	955556597B-2222	281	616	54	86	176	4.6	37	144	34	9	804	1821	3.2
11GA X 48" X 120"	1	1,631	3,596	YU162009	955615670-11	313	654	53	87	179	4.5	52	119	37	3	806	1801	2.5
11GA X 48" X 120"	1	1,630	3,594	YU162009	955615670-12	313	654	53	87	179	4.5	52	119	37	3	806	1801	2.5
16GA X 48" X 120"	1	1,690	3,726	YU162347	955615670-13	313	654	53	87	179	4.6	52	119	37	3	806	1804	2.7
16GA X 48" X 120"	1	1,690	3,726	YU162347	955615670-14	282	662	56	82	160	4.4	47	119	32	10	804	1817	2.5
22GA X 48" X 96"	1	1,716	3,849	YU161311	955350830A-12	294	659	53	85	173	4.8	43	118	36	4	802	1817	2.5
22GA X 48" X 120"	1	1,718	3,788	YU161311	955350830A-13	294	659	53	85	173	4.8	43	118	36	4	802	1822	2.4
24GA X 48" X 96"	1	1,604	3,586	YU162030	955615670-15	298	685	55	86	174	4.8	49	122	37	11	804	1820	1.6
24GA X 48" X 120"	1	1,598	3,583	YU162030	955615670-14	298	685	55	86	174	4.8	49	122	37	11	804	1820	1.6
TOTAL:	25	39,380	86,9240															

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS
BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS
BEEN TESTED FOR ALL ITEM NO.

YIEH MAU CORP.

Chen Jia Shing
Manager of Quality Assurance Section



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16995

Purchase Order Date 5/16/12

PO Print Date 5/17/12

Page Number 1 of 4

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REOISED

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M2024T3S.050	2024-T3 .050 sheet	5/23/12	144.00 Yes	Yours ppd sf	\$4.8958	\$705.00

2 M6061T6B0.250X02.000 6061-T6 Bar .250 X 2.00 5/23/12 12.00 Yours ppd \$2.0833 \$25.00

601

5/23/12

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER
QQ-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

3 M6061T6B0.250X06.000 6061-T6 Bar .250 x 6.00 5/23/12 12.00 Yours ppd \$3.7000 \$44.40

601

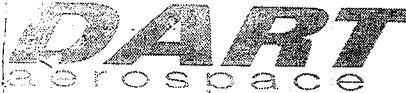
5/23/12

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16995**

Purchase Order Date 5/16/12
PO Print Date 5/17/12

Page Number 2 of 4

Order From :

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Contact Name

Vendor Phone 905 669 9444
Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

4	M6061T6B0.375X01.000 <i>602</i>	6061T6 BAR .375 x 1.00	5/23/12	36.00	Yours ppd	\$0.9333	\$33.60
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Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

5	M6061T6B0.500X10.000 <i>604</i>	6061-T6 Bar .500 x 10.00	5/23/12	24.00	Yours ppd	\$11.9800	\$287.52
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Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

6	M6061T6B0.750X00.750 <i>603</i>	6061-T6 Bar .750 x .750	5/23/12	24.00	Yours ppd	\$1.4000	\$33.60
---	------------------------------------	-------------------------	---------	-------	-----------	----------	---------

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16995**

Purchase Order Date 5/16/12
PO Print Date 5/17/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444
Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

7 M6061T6B1.000X04.000 6061-T6 Bar 1.00 x 4.00 5/23/12 12.00 Yours ppd \$9.4200 \$113.04
004 Yes f

5/23/12

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

9 M6061T6S.063 6061-T6 .063 Sheet 5/23/12 480.00 Yours ppd \$2.4792 \$1,190.00
Yes sf

5/23/12 2437125

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR AMS 4025
OR AMS 4027 OR ASTM B209

10 M304S16GA 304/316 Sheet .063 5/23/12 128.00 Yours ppd \$4.5141 \$577.80
Yes sf

No substitution or deviation without

consent.

Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16995**

Purchase Order Date 5/16/12
PO Print Date 5/17/12

Page Number 4 of 4

Order From :

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

11	M304S22GA	304/316 .032 Sheet	5/23/12	128.00	Yours ppd	\$3.3242	\$425.50
			Yes		sf		

Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

PO Total: **\$3,435.46**

CL
No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/17/12